

POKSF
11.3.18.1 v9

CUSTOMER: F0401937
BATCH #: 072150106
Z #: 65
BARCODE #: 9611019095150214016903
PRODUCT NAME: SUPER CHEMSOLV AEROSOL

ORDER #: 02690
STICKER #: 072150333

MATERIAL SAFETY DATA SHEET: SUPER CHEMSOLV AEROSOL

Section I - General Information

(000000-000000- - 5088)
Date of Issue:
11/22/2005 12:00:00 AM
Chemical Name & Synonyms:
N/A
Chemical Family:
ALKYL BROMIDE
Manufacturer Name:
CHEMSEARCH DIV. OF NCH CORP.
Manufacturer Address:
BOX 152170
IRVING, TX 75015
Prepared By:
M McDowell/Chemist

Supercedes:
6/27/2002 12:00:00 AM
Trade Name & Synonyms:
SUPER CHEMSOLV AEROSOL
Formula is a mixture: [N]

Product Code Number:
5088

Emergency Phone Number:
800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
N-PROPYL BROMIDE	IRRITANT	25 PPM 3	N/E 2	N/E	106-94-5
ISOPROPANOL	IRRITANT	200 PPM 1	400 PPM 2	400 PPM 1	67-63-0
CARBON DIOXIDE	ASPHYX	5000 PPM 1	5000 PPM 2	30000PPM 1	124-38-9

Section III - Physical Data

Boiling Point (°F): 160°
Vapor Pressure (mm Hg): 4242.77
Vapor Density (Air=1): 1.6
pH @ 100% : N/A
% Volatile by Volume: 100
H₂O Solubility: NEGLIGIBLE

Specific Gravity (H₂O=1): 1.31-1.34
Color: COLORLESS
Odor: SWEET
Clarity: TRANSPARENT
Evaporation Rate (BuAc=1): 93.87
Viscosity: NON-VISCOUS

Section IV - Fire and Explosion Hazard

Flash Point: >200°F
Flammable Limits: ISOPROPANOL
LEL: 2.0%

Method Used: T.C.C.
URL: 12.7%

Aerosol Level (NFPA 308): 1

Extinguishing Media:

<input checked="" type="checkbox"/> Foam	<input checked="" type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO ₂
<input checked="" type="checkbox"/> Dry Chemical	<input type="checkbox"/> Water Spray	<input type="checkbox"/> Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 2
3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT BURSTING.

Unusual Fire and Explosion Hazards:

FLAME EXTENSION IS 0 INCHES. BURNBACK IS 0 INCHES. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. ALTHOUGH THERE ARE NO FLAMMABLE LIMITS FOR THIS PRODUCT AT AMBIENT TEMPERATURES AND PRESSURES, THIS MATERIAL CAN FORM A FLAMMABLE MIXTURE AT EXTREMELY HIGH TEMPERATURES OR WHEN PERFORMING HOT WORK SUCH AS WELDING. USE CARE AS SPILLS MAY BE SLIPPERY.

Section V - Health and Hazard Data

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

Acute: (Short Term Exposure)

EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. INGESTION AND SUBSEQUENT VOMITING OF THIS PRODUCT CAN LEAD TO ASPIRATION OF THE PRODUCT INTO THE LUNGS WHICH CAN CAUSE DAMAGE AND MAY BE FATAL.

Chronic: (Long Term Exposure)

EXPOSURE TO HIGH DOSES MAY CAUSE LIVER, LUNG, AND KIDNEY EFFECTS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: CENTRAL AND PERIPHERAL NERVOUS SYSTEMS, HEART, LIVER, LUNGS, KIDNEYS, AND TESTES. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry

<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	<input checked="" type="checkbox"/> Absorption
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USEPA SF



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MATERIAL SAFETY DATA SHEET: SUPER CHEMSOLV AEROSOL

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHING AND SHOES. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

Section X - Storage and Handling Information

Storage Temperature

Max: 120°F Min: 32°F

Storage Conditions

☒ Indoors ☒ Outdoors ☐ Heated ☐ Refrigerated

Precautions to be taken in Handling and Storing:

USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

Section XI - Regulatory Information

Chemical Name

None.

CAS Number

Upper & Limit

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2005. 2. OSHA PEL. 3. VENDOR'S MSDS. 4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2005. 5. INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIAL ET DES RESQUES, FINAL REPORT (INERIS L.E.T.E. STUDY NUMBER 95 122) (1997). 6. CENTRE INTERNATIONAL DE TOXICOLOGIE, ACUTE DERMAL TOXICITY IN RATS (LABORATORY STUDY NUMBER 13113 TAR) (1995). 7. DERIVATION OF AN OCCUPATIONAL EXPOSURE LIMIT FOR N-PROPYL BROMIDE, JOHN DOULL, PH.D., M.D. & KARL K. ROZMAN, PH.D., D.A.B.T., 2001. ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

IF: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE, CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PMCC: PENSKEY-MARTIN CLOSED CUP, TCC: TAGLIABUE CLOSED CUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT, NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH: AMERICAN CONGRESS OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE LIMIT, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE, MUT: MUTAGENIC, ASPHYX: ASPHYXANT, PNO3: PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT: STANDARD DRAIZE TEST, ORL: ORAL, IHL: INHALATION, HMN: HUMAN

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